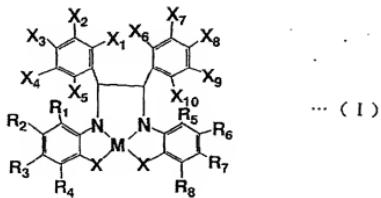


WHAT IS CLAIMED IS:

1. An organic metal complex represented by the following general formula (I):



wherein:

X represents S or Se, M represents a metal element; R₁ to R₈ each independently represents hydrogen, alkyl which is optionally substituted, aryl which is optionally substituted, aralkyl which is optionally substituted, alkoxy which is optionally substituted, aryloxy, nitro, halogen, amino which is optionally substituted, or cyano; and X₁ to X₁₀ each independently represents hydrogen, halogen, hydroxyl, alkoxy, aryloxy, nitro, cyano, alkyl which is optionally substituted, aryl which is optionally substituted, or aralkyl which is optionally substituted provided that at least one of X₁ to X₁₀ is not hydrogen.

2. The organic metal complex of Claim 1, wherein in the formula (I), X is S.

3. The organic metal complex of Claim 1, wherein in the formula (I), M is Ni, Pd, Pt, Co, Fe, Ti, Sn or Cu.

4. The organic metal complex of Claim 1, wherein in the general formula (I), M is Ni.

5. The organic metal complex of Claim 1, wherein in the formula (I), M is Ni, Pd, Pt or Co.

6. The organic metal complex of Claim 1, wherein in the formula (I), X is S; and M is Ni.

7. The organic metal complex of Claim 1, wherein each of R₁ to R₈ is hydrogen.

8. The organic metal complex of Claim 1, wherein at least one of X₁ to X₁₀ is
5 fluorine, chlorine, or cyano, and the remaining X₁ to X₁₀ groups are hydrogen.

9. The organic metal complex of Claim 1, which is symmetrical with respect to
formula (I).

10 10. The organic metal complex of Claim 8, wherein from 1 to 3 of X₁ to X₁₀ is
fluorine, chlorine or cyano; and the remaining X₁ to X₁₀ groups are hydrogen.

11 11. The organic metal complex of Claim 9, wherein 2, 4, 6, 8 or 10 of X₁ to X₁₀ are
fluorine; and R₁ to R₈ are hydrogen.

12 12. The organic metal complex of Claim 9, wherein 2, 4, 6, 8 or 10 of X₁ to X₁₀ are
chlorine; and R₁ to R₈ are hydrogen.

13 13. The organic metal complex of Claim 9, wherein 2 or 4 of X₁ to X₁₀ are
trifluoromethyl; and R₁ to R₈ are hydrogen.

14 14. The organic metal complex of Claim 9, wherein 2 or 4 of X₁ to X₁₀ are cyano;
and R₁ to R₈ are hydrogen.

15 15. The organic metal complex of Claim 9, wherein 2 or 4 of X₁ to X₁₀ are nitro; and
R₁ to R₈ are hydrogen.

20 16. The organic metal complex of Claim 9, wherein 2 of X₁ to X₁₀ are bromine; and
R₁ to R₈ are hydrogen.

17. The organic metal complex of Claim 9, wherein 2 of X_1 to X_{10} are hydroxy; and
R₁ to R₈ are hydrogen.

18. An infrared-absorbing dye, comprising the organic metal complex of Claim 1.

19. An infrared absorption filter, comprising the organic metal complex of Claim 1.

5 20. The infrared absorption filter of Claim 19, having a near infrared transmittance in
a wavelength range 800 - 1,100 nm of at most 15%.

21. The infrared absorption filter of Claim 19, having an ultraviolet screening layer
laminated thereon.

10 22. The infrared absorption filter of Claim 19, further comprising another near
infrared absorbing compound.

23. A filter for a plasma display panel, comprising the infrared absorption filter of
Claim 19.

15 24. The filter for a plasma display panel of Claim 23, having an electromagnetic
wave screening layer laminated thereon.

25. The filter for a plasma display panel of Claim 23, having an anti-reflection layer
laminated thereon.

26. The filter for a plasma display panel of Claim 23, having an anti-glare (non-glare)
layer laminated thereon.

20 27. The filter for a plasma display panel of Claim 23, having an ultraviolet screening
layer laminated thereon.

28. A method for absorbing near infrared radiation, which comprises subjecting the organic metal complex of Claim 1, to near infrared radiation, thereby absorbing said radiation.